

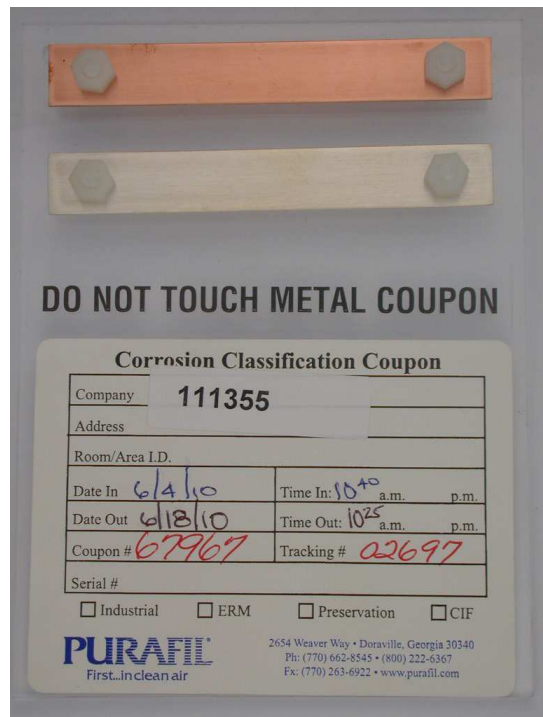
# PURAFIL ENVIRONMENTAL CORROSIONITY REPORT

25-Jun-2010

Company: 111355

Sales Order #: C002697  
CCC Panel #: P67967  
Date In: 04-Jun-2010  
Date Out: 18-Jun-2010  
Days In Service: 14

Room Area ID:  
Reference #:



**DO NOT TOUCH METAL COUPON**

**Corrosion Classification Coupon**

Company	111355		
Address			
Room/Area I.D.			
Date In	6/4/10	Time In:	10 <sup>40</sup> a.m. p.m.
Date Out	6/18/10	Time Out:	10 <sup>25</sup> a.m. p.m.
Coupon #	67967	Tracking #	02697
Serial #			

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**PURAFIL**  
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340  
Ph: (770) 662-8545 • (800) 222-6367  
Fx: (770) 263-6922 • www.purafil.com

**CCC Panel # P67967**

**ISA Class G1**  
Mild

**Copper Corrosion**  
271 Å/30 Days

**Silver Corrosion**  
298 Å/30 Days

(see next page for complete analysis)

## Summary for PURAFIL CCC # P67967

The electrolytic reduction analysis on Corrosion Classification Coupon #P67967 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:  
Environmental Health and Eng  
117 Fourth Avenue, Needham MA 02494, USA  
tminegishi@eheinc.com

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Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922  
Email: purafil@purafil.com / Internet: http://www.purafil.com

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**PURAFIL CCC # P67967 Analysis Results**

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	198 Å	265 Å	346 Å	
Unknowns	73 Å	98 Å	128 Å	
Totals	271 Å	363 Å	474 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	160 Å	1952 Å	9761 Å	
Unknowns	138 Å	1680 Å	8402 Å	
Totals	298 Å	3632 Å	18163 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

**Equipment Reliability Correlation**  
(ISA Standard S71.04-1985 for Copper)